

SMT Power Inductors - LPT3305 Series



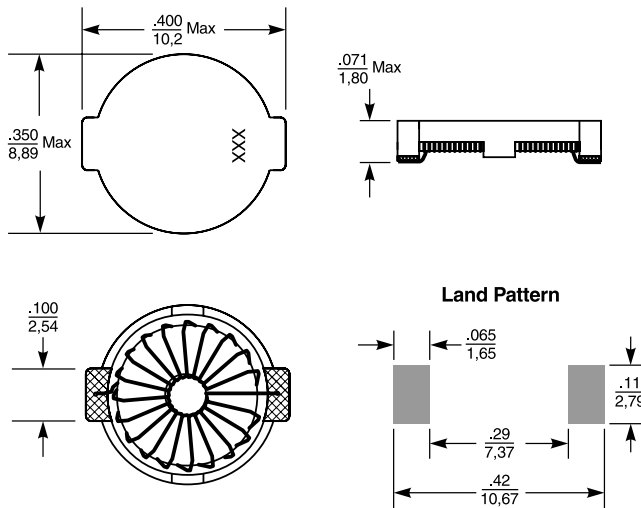
This product has been discontinued as of September 1, 2000

Recommended alternative is the DO1606 Series.
Existing customers will continue to be supported.
For further information, please contact Coilcraft.

These parts are specially designed for applications requiring a very low profile — 1.8 mm high! They also consume 25% less board space than competitive low profile inductors.

The toroid construction minimizes EMI while the ceramic cover provides the best possible surface for pick and place handling and minimizing board space.

Applications include notebook computers and PC cards as well as wireless communication products.



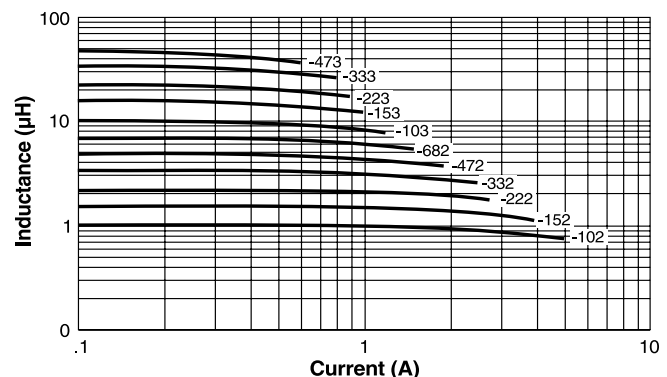
Parts/reel: 13" 1700 Tape width: 24 mm

Part number	L $\pm 20\%$ ¹ (μH)	DCR max (Ohms)	SRF min (MHz)	Isat ² (A)	Irms ³ (A)
LPT3305-102	1.0	0.16	615	6.0	1.6
LPT3305-152	1.5	0.18	355	4.7	1.5
LPT3305-222	2.2	0.23	210	3.8	1.3
LPT3305-332	3.3	0.26	175	3.3	1.3
LPT3305-472	4.7	0.33	125	2.6	1.2
LPT3305-682	6.8	0.40	105	2.1	1.1
LPT3305-103	10	0.49	75	1.8	0.90
LPT3305-153	15	0.75	55	1.4	0.85
LPT3305-223	22	1.1	35	1.2	0.70
LPT3305-333	33	1.4	20	1.0	0.65
LPT3305-473	47	1.6	15	0.9	0.60

For environmental data see Product Specifications section.

1. Tested @ 100 kHz, 0.1 Vrms.
2. Inductance drop = 30% typ. at rated Isat.
3. $\Delta T = 40^\circ\text{C}$ rise typ. at Irms.
4. Operating temperature range -40°C to $+85^\circ\text{C}$.
5. Electrical specifications at 25°C .

Typical Inductance vs. Current



Coilcraft[®]

Specifications subject to change without notice. Document 203 Revised 4/22/02

1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469

E-mail info@coilcraft.com Web <http://www.coilcraft.com>